Index to Human Factors – Volume 46, 2004

TABLE OF CONTENTS

Effect of Electronic ANR and Conventional Hearing Protectors on Vehicle Backup Alarm Detection in Noise, *John G. Casali, Gary S. Robinson, Erika Christian Dabney, and Dan Gauger* 1

Linguistic and Location Effects in Compliance With Pesticide Warning Labels for Amateur and Professional Users, *Judy Edworthy, Elizabeth Hellier, Nicola Morley, Clare Grey, Kirsteen Aldrich, and Andrew Lee* 11

The Use of Flight Progress Strips While Working Live Traffic: Frequencies, Importance, and Perceived Benefits, *Francis T. Durso, Peter J. Batsakes, Jerry M. Crutchfield, Justin B. Braden, and Carol A. Manning* 32

Trust in Automation: Designing for Appropriate Reliance, *John D. Lee and Katrina A. See* 50

Influence of Fatigue in Neuromuscular Control of Spinal Stability, *Kevin P. Granata, Greg P. Slota, and Sara E. Wilson* 81

Pilot Ability to Anticipate the Consequences of Flight Actions as a Function of Expertise, *Stephanie Doane, Young Woo Sohn, and Mark T. Jodlowski* 92

Effects of Organizational Scheme and Labeling on Task Performance in Product-Centered and User-Centered Retail Web Sites, *Marc L. Resnick and Julian Sanchez* 104

Detection of Temporal Delays in Visual-Haptic Interfaces, *Ingrid M. L. C. Vogels* 118

Foveal Task Complexity and Visual Funneling, *Atsuo Murata* 135

"Conflicting" Motion Cues to the Visual and Vestibular Self-Motion Systems Around 0.06 Hz Evoke Simulator Sickness, *Henry Been-Lirn Duh, Donald E. Parker, James O. Philips, and Thomas A. Furness* 142

Temporal Separation and Self-Rating of Alertness as Indicators of Driver Fatigue in Commercial Motor Vehicle Operators, *Steven M. Belz, Gary S. Robinson, and John G. Casali* 154

Educational Interventions Successfully Reduce Pedestrians' Overestimates of Their Own Nighttime Visibility, *Richard A. Tyrrell, Chad W. Patton, and Johnell O. Brooks* 170

Safety Symbol Comprehension: Effects of Symbol Type, Familiarity, and Age, *Holly E. Hancock, Wendy A. Rogers, Derek Schroeder, and Arthur D. Fisk* 183

Conceptual Issues in the Study of Dynamic Hazard Warnings, *Joachim Meyer* 196

Verification of the Change Blindness Phenomenon While Managing Critical Events on a Combat Information Display, *Joseph DiVita, Richard Obermayer, William Nugent, and James M. Linville* 205

Effects of Sensory Modality and Task Duration on Performance, Workload, and Stress in Sustained Attention, *James L. Szalma, Joel S. Warm, Gerald Matthews, William N. Dember, Ernest M. Weiler, Ashley Meier, and F. Thomas Eggemeier* 219

Productivity and Ergonomic Investigation of Bent-Handle Pliers, *Kelly Duke, Gary A. Mirka, and Carolyn M. Sommerich* 234

Grip Force Vectors for Varying Handle Diameters and Hand Sizes, *Cally S. Edgren, Robert G. Radwin, and Curtis B. Irwin* 244

Trapezius Muscle Motor Unit Activity in Symptomatic Participants During Finger Tapping Using Properly and Improperly Adjusted Desks, *Daniel Zennaro, Thomas Läubli, Denise Krebs, Helmut Krueger, and Andreas Klipstein* 252

Right of Way in the Sky: Two Problems in Aircraft Self-Separation and the Auction-Based Solution, *Ido Erev, Greg Barron, and Roger Remington* 267

Remembrance of Cases Past: Who Remembers What, When Confronting Critical Flight Events? *David O'Hare and Mark Wiggins* 277

Evaluation of a Computerized Aid for Creating Human Behavioral Representations of Human-Computer Interaction, *Kent E. Williams and Jeffrey R. Voigt* 288

Foot Shape Modeling, *Ameersing Luximon and Ravindra S. Goonetilleke* 304

Minimal Instrumentation May Compromise Failure Diagnosis With an Ecological Interface, *Dal Vernon C. Reising and Penelope M. Sanderson* . . . 316

Engaging in Activities Involving Information Technology: Dimensions, Modes, and Flow, *Henry Montgomery, Parvaneh Sharafi, and Leif Hedman* 334

The Size-Weight Illusion in Team Lifting, *Yoko K. Naylor and Eric L. Amazeen* 349

Imperfect In-Vehicle Collision Avoidance Warning Systems Can Aid Drivers, *Masha Maltz and David Shinar* 357

Synchronization of Traffic Signals as a Means of Reducing Red-Light Running, *David Shinar, Muki Bourla, and Liat Kaufman* 367

Light Pen Use and Practice Minimize Age and Hand Performance Differences in Pointing Tasks, *Neil Charness, Patricia Holley, Jeffrey Feddon, and Tiffany Jastrzembski* 373

Age Differences in Search of Web Pages: The Effects of Link Size, Link Number, and Clutter, *Michael Grahame, Jason Laberge, and Charles T. Scialfa* 385

Not Now! Supporting Interruption Management by Indicating the Modality and Urgency of Pending Tasks, *Chih-Yuan Ho, Mark I. Nikolic, Molly J. Waters, and Nadine B. Sarter* 399

Stimuli Fixation and Manual Response as a Function of Expectancies, *Marieke H. Martens* 410

Conversation Disrupts Change Detection in Complex Traffic Scenes, *Jason S. McCarley, Margaret J. Vais, Heather Pringle, Arthur F. Kramer, David E. Irwin, and David L. Strayer* 424

Effect of Job Rotation on Work Demands, Workload, and Recovery of Refuse Truck Drivers and Collectors, *P. Paul F. M. Kuijer, Wiebe H. K. de Vries, Allard J. van der Beek, Jaap H. van Dieën, Bart Visser, and Monique H. W. Frings-Dresen* 437
Learning to Make Decisions in Dynamic Environments: Effects of Time Constraints and Cognitive Abilities, *Cleotilde Gonzalez* 449
Memory Processes of Flight Situation Awareness: Interactive Roles of Working Memory Capacity, Long-Term Working Memory, and Expertise, *Young Woo Sohn and Stephanie M. Doane* 461
Characterizing the Effects of Droplines on Target Acquisition Performance on a 3-D Perspective Display, *Min-Ju Liao and Walter W. Johnson* 476
Sonification Supports Eyes-Free Respiratory Monitoring and Task Time-Sharing, *Marcus Watson and Penelope Sanderson* 497
Speed-Accuracy Characteristics of Human-Machine Cooperative Manipulation Using Virtual Fixtures With Variable Admittance, *Panadda Marayong and Allison Okamura* 518
A New Model of Scheduling in Manufacturing: Tasks, Roles, and Monitoring, *Sarah Jackson, John R. Wilson, and Bart L. MacCarthy* 533
Partitioning Visual Displays Aids Task-Directed Visual Search, *Craig Haimson, Daniel Bothell, Scott A. Douglass, and John R. Anderson* 551
When Redundant On-Screen Text in Multimedia Technical Instruction Can Interfere With Learning, *Slava Kalyuga, Paul Chandler, and John Sweller* 567
Preface to the Special Section on Driver Distraction, *John D. Lee and David L. Strayer* 583
Driver Distraction From a Control Theory Perspective, *Thomas B. Sheridan* 587
Address Entry While Driving: Speech Recognition Versus a Touch-Screen Keyboard, *Omer Tsimhoni, Daniel Smith, and Paul Green* 600
Driving and Side Task Performance: The Effects of Display Clutter, Separation, and Modality, *William J. Horrey and Christopher D. Wickens* 611
Speech-Based E-Mail and Driver Behavior: Effects of an In-Vehicle Message System Interface, *A. Hamish Jamson, Stephen J. Westerman, G. Robert J. Hockey, and Oliver M. J. Carsten* 625
Profiles in Driver Distraction: Effects of Cell Phone Conversations on Younger and Older Drivers, *David L. Strayer and Frank A. Drews* 640
Recovering From Interruptions: Implications for Driver Distraction Research, *Christopher A. Monk, Deborah A. Boehm-Davis, and J. Gregory Trafton.* 650
Conversation Limits the Functional Field of View, *Paul Atchley and Jeff Dressel* 664
Age Differences in Visual Search for Traffic Signs During a Simulated Conversation, *Lisa C. McPhee, Charles T. Scialfa, Wanda M. Dennis, Geoffrey Ho, and Jeff K. Caird* 674
Maximum Isometric Lifting Strengths of Men in Teamwork, *Tzu-Hsien Lee* 686
Verbal Estimation of Peak Exertion Intensity, *Matthew M. Marshall, Thomas J. Armstrong, and Marissa L. Ebersole* 697
Lessons From a Comparison of Work Domain Models: Representational Choices and Their Implications, *Catherine M. Burns, Ann M. Bisantz, and Emilie M. Roth* 711
Comparing Effects of 2-D and 3-D Visual Cues During Aurally Aided Target Acquisition, *Andrea C. Pierno, Andrea Caria, and Umberto Castiello* 728
The Apparent and Effective Dimensionality of Representations of Objects, *Ian Spence* 738
Predicting Practical Fitness to Drive in Drivers With Visual Field Defects Caused by Ocular Pathology, *Tanja R. M. Coeckelbergh, Wiebo H. Brouwer, Frans W. Cornelissen, and Aart C. Kooijman* 748